

Pulse of Western Progress.

D. D. Law, a well known southern Oregon prospector, who is interested with Portland parties in a group of very rich prospects on the Applegate river, not far from the famous Steamboat mine, arrived in Portland the other day, and began making arrangements to have working some of the tracts of the veins, says the Portland Oregonian.

The group of mines that have been taken up by the Applegate Gold Mining and Milling company, said Mr. Law, "I regard as including some of the best prospects in that section, and I am greatly mistaken if some of them do not prove valuable mining properties when developed. There are seven veins in the group, six on one side of the Applegate river, and the seventh on the opposite side. The prospects are located in a ravine, running down from a ridge to the river. The Red Bird, Hob Law, D. Law, Mountain Queen and Ring are located on the side of the ravine, while the Lucky Boy, the richest of the group, follows the bottom of the gully up the hillside.

"Several of the ledges follow the surface closely, and are exposed for hundreds of feet. The ore is free milling and easily worked, and we expect to get enough out of these veins in a short time to pay for our plant.

"On some of the prospects there are some very rich shoots. One that I followed up recently on the Lucky Boy netted me about \$200 a ton, and another on the Mountain Queen about \$300 to \$500 to the ton. And there are more of these shoots that can be worked just as easily.

"Of course," said Mr. Law, with a smile, "I am not making such extravagant claims as that for our prospects, but I am convinced from thorough assays that we have had made by Portland assayers, that four of the prospects will average from \$14 to \$18 to the ton, rich straight through, and there is plenty of ore to work. The lowest assays we have are for \$7 a ton, and you know \$8, if free milling, is considered paying ore.

"Some of the mines in the Applegate country are worked by very primitive means. When a shaft is sunk, the seven or eight ways of sinking the ore is by means of an astra. This is a big tub, built of heavy staves, and from eight to ten feet in diameter. The bottom is packed with a bed of rock, in which a drag of hard stone granite for preference is moved around by either horse or water power, crushing the ore into a fine state. The water is then drawn down between the rocks of the bed and is caught in riffles as the water carries it down the sluice box. The assaying \$5 can be profitably worked in this way.

RAILROAD EXTENSION. The Santa Fe engineers who have been on the desert for three weeks have returned to this city, says a San Bernardino article. The Santa Fe engineers, having made surveys from the line of the Southern California to the Colorado river at Parker, about fifty miles below Needles, have been so busy that they have not had time to report on their work.

The Santa Fe engineers and his men were doing, since it was published that he had been here in the month of May. The Santa Fe engineers of the Southern California and that he was supplied with Santa Fe money. The company is simply serving notice on the Southern California that it is not going to be a part of the Santa Fe line in July next, then the Santa Fe will build a direct line from the Southern California through the Atlantic and Pacific at the site in July next, then the Santa Fe will build a direct line from the Southern California through the Atlantic and Pacific at the site in July next, then the Santa Fe will build a direct line from the Southern California through the Atlantic and Pacific at the site in July next.

GOOD COPPER MINES. James Ingram of Pine Creek, Gilpin county, Colorado, who is interested with Portland parties in a group of very rich prospects on the Applegate river, not far from the famous Steamboat mine, arrived in Portland the other day, and began making arrangements to have working some of the tracts of the veins, says the Portland Oregonian.

tunnel 450 feet on the Sarah Jane and the Mary Frances. The product is lead and copper mixed. The copper ore assays 7% to the ton and the lead from \$35 to \$60. Pine Creek started recently to build a twenty-room hotel, and is building dwellings right along the line. The copper ore will be worked at once, says a San Bernardino dispatch to the San Francisco Chronicle, and the members of the company, who are experts in this line, have been out to the land which has been located, and have picked out the spots where they will sink wells.

SAN BERNARDINO OIL. The company which was organized a few days ago to sink wells in San Timoteo canyon, in the county of San Bernardino, has at once, says a San Bernardino dispatch to the San Francisco Chronicle, and the members of the company, who are experts in this line, have been out to the land which has been located, and have picked out the spots where they will sink wells.

THE DAKOTAS. A daily paper has been started at Vermilion. A destructive forest fire has been raging for a week west of Spearfish to the Bear Lodge mountains.

The South Dakota Sheep Breeders' and Wool Growers' association will meet next month at Rapid City. Preparation for the state encampment of the Grand Army of the Republic, to be held at Hillsboro, N. D., June 3, 4 and 5, next, are being pushed rapidly.

Some of the papers in Coos county are quite positive arrangements have been made for the establishment of a beet sugar factory in that county. A sawmill, with a daily capacity of 8,000 feet, is being built on Chubook river, in Pacific county, by Mr. Wilson of Gatekan, and will insure the establishment of a beet sugar factory in that county.

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A rich strike is reported in the Good Hope wonder, an old San Juan producer. The Holy Moses tunnel at Creede is being pushed rapidly forward. The work is being done by machines and the contractors expect to have the lead in a few days.

Another town site has been started in the Gunnison gold district, called Maurice. Near this new town a Michigan company is putting up a dam to create a large lake. The Larsen lease on the Alta Argent, near Aspen, which ran into some rich ore about a year ago, is said to be producing richly during the past few days and that ore running 300 ounces is being taken out.

Great excitement prevails in Apex and the surrounding district over the great strike on Tip Top mountain. Mr. A. H. Perry, late of Denver, made a strike on Tip Top at a depth of eight feet. He encountered a vein three feet wide of white spar which assayed 400 per cent.

The Ingreth brothers, owners of the Ingreth mine, at Pine Creek, acknowledged by Gilpin county as one of her richest producers, have with excitement and great interest, taken specimens of yellow copper iron, which has free gold deposited through the iron. These two specimens, which were worth about \$150 and \$200 each, created no small excitement, and a rush was made to this vicinity. All the ground is taken and staked for miles around.

The burning of Cripple Creek has had no very disastrous effect upon the mines. The fifteen settlements in the district are gaining in number of houses and population as a result of the great loss in the chief town, but after a few months the new brick and stone structures there will give the town a substantial appearance which it never had before. The new mills for the treatment of ore will be completed, and improvements in the way of shaft houses and mine equipment are making. That the camp has been overdone in many ways no one will question.

mine it was found there were rich deposits of silver, and, according to the Preston Standard, the discovery has created the greatest excitement, and the country for miles around has been located. The Preston Standard tells the story as follows: The mine is between four and five miles from Preston and is owned by Franklin and Richmond parties. The mine was first located as a coal mine and was first thought to be a good one. It has been worked off and on, as time would permit, for several years, until a shaft had been sunk to a depth of several hundred feet. One day recently one of the owners noticed some rather odd things about the dump and gathered up a small sack full and sent it to Logan to be assayed, merely as an experiment. The next day the report came back that the ore assayed 600 ounces to the ton, silver. The owners of the mine were greatly excited at this, and thought that surely a mistake had been made, so another sack was shipped off to St. Louis, Mo., with a certificate came back from there announcing the same result, and as soon as the report got out the country went wild with excitement.

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Preparation for the state encampment of the Grand Army of the Republic, to be held at Hillsboro, N. D., June 3, 4 and 5, next, are being pushed rapidly. There is a vigorous sentiment at Stayton for good roads. A man was recently sent to inspect the road to the north of Stayton, that body agrees to step aside and allow the entire control of the fair to the local managers.

Engineer Wallow, who has been conducting the soundings for a railroad bridge across the Missouri river at Yankton, has just completed his work, and his estimates to representatives of the English capitalists who have determined to build the bridge.

The morning of the Northwestern Nebraska Cattle association, representing 40,000 head of cattle, into the Western South Dakota Stockgrowers' association, which has just completed its extensive survey of the largest association in the United States, having a membership of 426, representing over 250,000 head of cattle.

The owners of the Danielson mine, on Spruce creek, says a Lead report, have opened into their seventh chute of ore. All the ore from this district being carbonate, the smelters are anxious for it, and charge \$10 per ton for treatment. The permit, one of the owners of the ground in opening it up is now being rewarded.

City Engineer Scott of Hot Springs has just completed an extensive survey of Wind Cave, the great underground world, situated twelve miles from that city. He was engaged seven days in the work and as a result has investigated a man of the subject. The cave will be printed, thus giving explorers in the cave an exact knowledge of their whereabouts. Another object of the survey was to discover the necessity of retraveling the same ground to the entry would be avoided. An excellent place for an exit was discovered, only a little being necessary to dig and open air. Wind Cave already has ninety-seven miles of explored passages.

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to the extent of 100 feet, and the indications are very encouraging. Considerably over 100 men are employed in shearing sheep and loading wool at Fort Steel, in Carbon county. The Carbon County Journal says that 6,000 sheep per day are shorn.

The valuation of the gold placer has been completed from this year's assessment. It foots up about \$300,000. The tax levy is 5 mills for water tax and 5 mills for general purposes.

The eastern capitalists, who have recently been investigating the Hot Mountain gold properties, are very favorably impressed by the mineral prospects of that locality and intend to invest heavily there.

The tin properties on the Piney in Sheridan county are being investigated by a number of eastern capitalists. The assays which were recently made give very satisfactory results and considerable prospect work is being done in that locality.

The Wheatland World says: The board of county commissioners went to Fairbank, accompanied by Mr. Drake, the gentleman who is in charge of the construction of the Platte river bridge at Fairbank. The bottom structure of the bridge is in place, except the timber abutment and it is probable that it can be put in at this time on account of the high water in the Platte. There is seven feet of water in the main channel of the river, and the current is very swift it is impossible to continue work.

Secretary Snow of Laramie has received returns from rock from his Pale mountain party for analyzing to work his road tax. The rock was not assayed for silver. Other assays from the same rock run close to these figures, showing that this is about the true value of the rock. The specimens sent to the assayer, Mr. Snow, was exceedingly careful to get rock which he considered a low average, in order that he might not be disappointed. The rock was originally sent to the assayer, Mr. Snow, was exceedingly careful to get rock which he considered a low average, in order that he might not be disappointed.

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seventy to ninety feet in length. She also carries four handsome spars, 100 feet long and twenty-four inches through the center.

The West Coast Manufacturing and Importing company, of Portland, Ore., is over time to keep up with orders. The mill is cutting 300,000 shingles a day.

The American Lake road was sold in Tacoma to Robert Winkate by Receiver Ellis for \$5,400. The road was originally built as the terminus of the Union Pacific line in Tacoma. It will be equipped electrically and run as a suburban line.

Mr. James Walters of Garfield was frying eggs for breakfast the other morning. She broke one into the frying-pan and was surprised to see a small egg inside of it. Mrs. Walters took a spoon and lifted it out and found it to be a perfectly shaped egg, nearly two inches long and covered with a shell nearly as hard as the usual egg shell. It was inside the yolk of the big egg.

The value of the output for the Kootenay country for the present year has been variously estimated at from \$5,000,000 to \$10,000,000. This latter sum would seem to produce close to a million this year. This, with the product of the Trail Creek mines, and the other mines in the Sloon, which are every day increasing their output, are the North Star mine, which has contracted for the delivery of 5,000 tons this year, will make an amount which will crowd \$10,000,000 pretty closely.

United States Sealskin Inspector Fowler has been busy at Port Townsend inspecting the catches of six Indian sealing schooners that were landed at the wharves of the city. The schooners, with twenty-four skins; the C. C. Perkins, with thirty-nine; the Jessie, with 140; the Deacons, with eighty; and the Samson, with 120. The catches are not large, but the weather has been so rough that it has been impossible for the sealers to make more than twenty-five miles of shore at any time, and the best landing grounds are therefore not been visited by them. The skins are all prime ones, and the sealers are satisfied with their work, considering the unfavorable weather.

Farmers find no sale in Hood river now. Red Lodge Picket: Some recent discoveries denote the presence of rich copper deposits on Dog creek, about eight miles east of Deer Lodge.

F. S. White and R. W. Wood appear to have struck a bonanza. They have located a claim north of Denver which, from present indications, will prove a veritable Comstock lode. They have taken 75 cents of fine silver, and appraise the prospect at \$29 a yard.

The fact that White Sulphur Springs is a splendid antidote for the tobacco habit, says a recent issue of the Montana Herald, is some attention, and we look to see hundreds of people cured of this pernicious habit through the use of the waters within the next few years.

The largest artesian well in the Pecos valley, New Mexico, was completed the other day on the ranch of Captain F. H. Lea. The stream shows up in a column of five inches in diameter. Accurate measurements have shown a flow of 220 gallons per minute.

The contract for the erection of the Edly beat sugar factory has been awarded to James Taylor, president of the Texas Construction company of Fort Worth. The contract for the foundation and walls amounts to \$15,000, and will take about 1,000,000 bricks. The work is to be completed by August 1. Seven cars of the machinery are already on the way from Canada, where the machinery was bought, and more will follow. A large acreage is being planted to sugar beets in the Pecos valley, the beets being contracted at \$1 per ton anywhere on the line of the railroad, and the factory will be prepared to treat the product this fall.

Artesian wells are proving a great success in Bruneau valley, in Idaho. Since the first one was bored on the "second bench" on the east side of the valley, Mr. Newt Robinson has bored one on the west side, and at a depth of 300 feet struck a stream of hot water, which is in the valley, that happy action is destined at some future date to become one of the noted places on the continent for fruit growing and the location of beautiful hot springs.

A party of southern California surveyors will soon begin running lines in a working survey from San Jacinto, in Riverside county, northwest to Lakewood, a distance of 100 miles, being an extension of the San Jacinto branch. The grading, which a firm of local contractors has been engaged to do, will begin immediately following the survey. This line is probably the beginning of another loop, which is to be extended, and which, passing through Moreno, will strike

the branch again at Alessandro. It will possibly be extended northward to Redlands. The road is to be built as quickly as possible.

The official report of the state mineralogist shows that California produced last year \$15,534,107 in gold and silver, while other substances yielded \$8,000,000. Of the precious metals, all except \$600,000 was in gold. This was an increase of \$1,500,000 over the preceding year. The development of many mines and introduction of electricity insure a greater increase this year in the gold-producing regions.

There is now pending in congress a bill in which the Backset Indians, for the consideration of \$1,500,000, agree to sell the western third of their reservation in north western Montana to the government. The Indians have agreed to the stipulations in this bill, in fact, are anxious for the section spoken of for their use to them, and they never enter it, for they believe superstitiously that the whole of the mountainous region is overrun with demons and spirits. The reservation, extending from the northern to the southern boundary of the reservation, and from the main divide, its present western boundary, from fifteen to twenty miles eastward, covers an area of about 600 square mineral sections in the United States.

The Olympian games are likely to be the subject of such study for a long time to come as they have not received for many years. The recent festival at Athens is setting everybody to asking about the old contests at Olympia. By far the most important article upon the old games which has appeared is that by William Sherman Bannister in the May number of the New England Quarterly, edited by F. Collogg, 5 Park Square, Boston, Mass.

The unprecedented interest in the Woman's club movement in this country makes the leading article in the June number of the Olympian for May of unusual interest. Dinah Sturges describes entertainingly the forthcoming biennial convention of the federation, to be held the last of May, in Louisville, Ky., and the article is illustrated with portraits of Louisville clubwomen and southern beauties and pictures of Louisville buildings and parks. The succeeding brief biographies and views of well known clubwomen of the country and notes of prominent clubs will interest women everywhere. Jenness Miller Monthly, 325 Pearl Street, New York.

One of the first articles to attract attention in the May number of the Engineering Magazine, New York, is entitled "The Present Value and Purchasing Power of Gold," by Dr. H. M. Chance, the eminent metallurgist and mining engineer. This is not a political contribution to the silver question, but a scientific inquiry into the conditions governing the cost of producing gold, as compared with the like cost of silver, copper, tin, zinc, lead and iron.

Other articles in the same number are: "The Vast Importance of Electric Lighting Engineers," "Electricity and the Household," "Points in the Selection of Steam Engines," "The Prime Essentials of Shop Design," and "Restrictions Upon the Practice of Architecture." The Engineering Magazine, Times Building, New York.

The Bookman for May contains reproductions of the first Brno drawing by Palmer Cox, done in 1881; of two remarkable designs drawn for Stephen Crane's "Black Riders," of a European portrait of Poe; then there are two portraits of L. Douglas, the author of "Beggars All," who has just published a new story; of the late Judge Hughes, of Mrs. W. K. Clifford, Harold Frederic, Grace King, Lafcadio Hearn, Clinton Ross and an unpublished portrait of Mary Anderson, Dodd, Mead & Co., New York.

A striking paper in the May number of the Olympian is the article "England's Return to Protection," in which the writer says: "England's competitive superiority over continental producers has all along been due to the superiority of her machinery, and her ability to understand American producers has been due to lower wages. This seems to be an enigma to free traders. They have never been able to understand why England's power to understand in the American markets was the result of an entirely different cause from her power to understand continental producers." Other topics discussed are: "The Proposed Clearing House Currency," "Farm Prices Not Made Abroad," "Greater New York," "An Industrial Crisis," "The Protection of the Union," "Our American Proletariat," "Political Revolution of the South," and "Non-Partisanship a Municipal Necessity." Political Science Publishing Company, Union Square, New York.

With some beautiful reproductions of the branch again at Alessandro. It will possibly be extended northward to Redlands. The road is to be built as quickly as possible.

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